



STATE OF TENNESSEE  
DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
COOKEVILLE ENVIRONMENTAL FIELD OFFICE  
DIVISION OF WATER POLLUTION CONTROL  
1221 SOUTH WILLOW AVENUE  
COOKEVILLE, TN 38506  
PHONE 931-432-4015 STATEWIDE 1-888-891-8332 FAX 931-432-6952

May 6, 2011

Certified Mail  
91 7108 2133 3937 2540 4837

Bon De Croft Utility District  
Mr. Danny Brock, General Manager  
9100 Crossville Hwy  
Sparta, Tennessee 38583

**RE: Diagnostic Inspection / Sedimentation Basin**  
**Water Source: Billy's Branch Lake (Sky Lake) – Bon De Croft Utility District,**  
**Receiving Stream: un-named tributary to Lost Creek, NPDES # TN0077968,**  
**White County. Permit Expiration: June 30<sup>th</sup>, 2015**

Dear Mr. Brock:

On April 15<sup>th</sup>, 2011, the Division of Water Pollution Control (WPC) conducted a brief Diagnostic Inspection (DI) at the Bon De Croft Utility District's water supply lake, Billy's Branch Lake (Sky Lake). The purpose of the DI was to determine compliance and review the discharge from the backwash filter operation. This letter serves as a Diagnostic Inspection report. The discharge is ultimately to Lost Creek. Plant Operators were met at the site during the plant inspection.

**Permit, Records, and Self-Monitoring Data**

The Bon De Croft Utility District, (BDCUD), backwash water treatment facility is operating under a permit issued on August 24<sup>th</sup>, 2010. The current permit will expire on June 30<sup>th</sup>, 2015. The utility sends its Discharge Monitoring Reports to the Nashville Central Office within the specified time period. The Utility voluntarily sends additional reports to the Cookeville Environmental Field Office.

**Water Treatment Plant and Laboratory**

The water treatment plant was reviewed and found to be clean and well kept. The treatment system related to regulation by the Division of Water Pollution Control consists of a single sedimentation basin. It is possible that this basin is no longer large enough to effectively settle out the back wash cycle's sediment content from the recently refurbished water plant's micro filtration system. The pipe configuration within the basin should be reviewed in order to consider if additional detention time could currently be added.

**Water Treatment Plant (continued)**

**These two points of interest should be discussed with the utilities contract engineer in order to solve the sediment basin's detention time issues.** The method of solids removal from the sedimentation basin should also be reviewed and improved. The current method of solids removal is costly and labor intensive.

If you have any questions, you may contact me in Cookeville via telephone at (931) 432-7635 or toll free at 1-(888)-891-8332. You may also use electronic mail at:

[Oakley.Hall@tn.gov](mailto:Oakley.Hall@tn.gov).

Sincerely,



Wm. Oakley Hall  
Division of Water Pollution Control  
Cookeville Environmental Field Office

Enclosures: EPA 3560 Form

cc: Cookeville EFO file; TN0077968; White County  
Patrick Parker, WPC, Central Office - Enforcement & Compliance  
Rob Howard, WPC Field Office Manager, Cookeville EFO  
Johnny Walker, DWS Field Office Manager, Cookeville EFO



United States Environmental Protection Agency  
Washington, D. C. 20460

## Water Compliance Inspection Report

### Section A: National Data Coding (i.e., PCS)

Transaction	Code	NPDES	yr / mo / dy	Inspection Type	Inspector	FacType																																																
1	N	2	5	3	T	N	0	0	7	7	9	6	8	1	1	0	4	1	5	17	18	D	19	S	20	1																												
Remarks																																																						
21																												B	o	n	D	e	C	r	o	f	t	W	a	t	e	r	P	l	a	n	t							
Inspection Work Days																												Facility Self-Monitoring Evaluation										BI		QA		-----Reserved-----												
67																												2	69	Rating		70		3	71		N	72		N	73			74		75				80				

### Section B: Facility Data



Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW name and NPDES permit number)	Entry Time / Date	Permit Effective Date
Bon De Croft Utility District Water Treatment Facility	≈1:00 on 4/15/11	Aug. 24 <sup>th</sup> , 2010
1000 Billy Branch Rd.	Exit Time / Date	Permit Expiration Date
Sparta, Tennessee 38583	≈2:30 on 4/15/11	Jun. 30 <sup>th</sup> , 2015
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)	Other Facility Data (e.g., SIC NAICS, and other descriptive information)	
Mr. Danny Brock – General Manager (931) 935- 8543	Water Plant Backwash Filter Discharge	
Fax:	Receiving Stream: Lost Branch	
Name, Address of Responsible Official/Title/Phone and Fax Number	Cumberland Plateau in White County	
Mr. Danny Brock	Basin size needs reviewed by Engineer.	
Bon De Croft Utility District	Basin may need enlarged.	
9100 Crossville Hwy		
(931) 935-8543		
X Yes <input type="checkbox"/> No		
Fax:		
Sparta, TN 38583		

<input checked="" type="checkbox"/> Permit	<input type="checkbox"/> Self-monitoring Program	<input type="checkbox"/> Pretreatment Program	<input type="checkbox"/> MS4
<input checked="" type="checkbox"/> Records / Reports	<input type="checkbox"/> Compliance Schedule	<input type="checkbox"/> Pollution Prevention	
<input checked="" type="checkbox"/> Facility Site Review	<input type="checkbox"/> Laboratory	<input type="checkbox"/> Storm Water	
<input checked="" type="checkbox"/> Effluent / Receiving Waters	<input checked="" type="checkbox"/> Operation & Maintenance	<input type="checkbox"/> Combined Sewer Overflow	
<input type="checkbox"/> Flow Measurement	<input checked="" type="checkbox"/> Sludge Handling / Disposal	<input type="checkbox"/> Sanitary Sewer Overflow	

### Section D: Summary of Findings/Comments

(Attach additional sheets of narrative and checklists, including Single Event Violation codes, as necessary)

SEV Codes	SEV Description
<input type="checkbox"/>	The water plant with the micro filtration system is backwashing more frequently.
<input type="checkbox"/>	Settling basin is in need of enlargement in order to contain settleable solids.
<input type="checkbox"/>	Settling Basin effluent valve was repaired and effluent pipe was rotated 90 degrees
<input type="checkbox"/>	
<input type="checkbox"/>	

Name (s) and Signature(s) of Inspector(s)	Agency / Office / Phone and Fax Numbers	Date
Oakley Hall	Tennessee Division of Water Pollution Control	5-6-11
	Cookeville Environmental Field Office	
Oakley.Hall@TN.gov	931/432-4015 / 931/432-6952 (FAX)	
Signature of Management Q A Reviewer	Agency / Office / Phone and Fax Numbers	Date
Robert Howard	Tennessee Division of Water Pollution Control	5-6-11
	Cookeville Environmental Field Office	
Rob.Howard@TN.gov	931/432-4015 / 931/432-6952 (FAX)	